

FIGURE 1

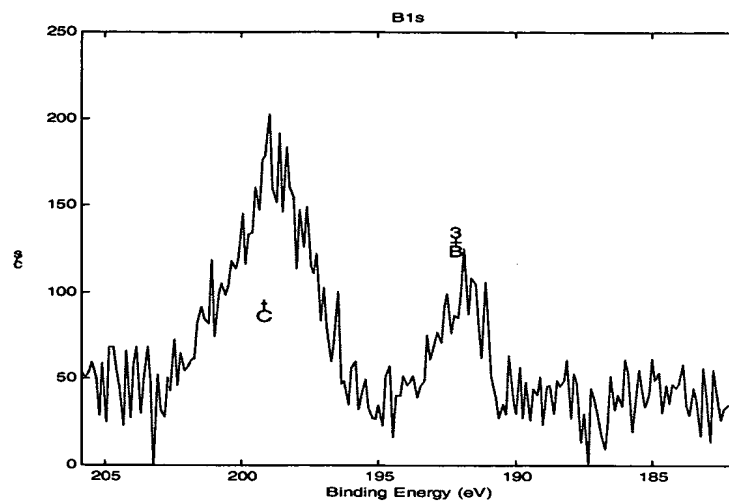


Figure 2a: High-resolution spectrum for Al₂O₃ after one-step cleaning using BCl₃

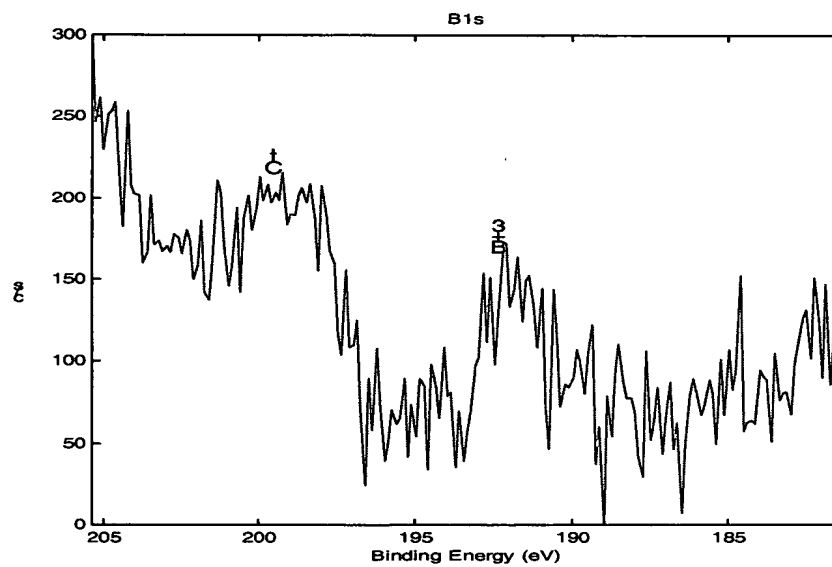


Figure 2b: High-resolution spectrum for HfO₂ after one-step cleaning using BCl₃

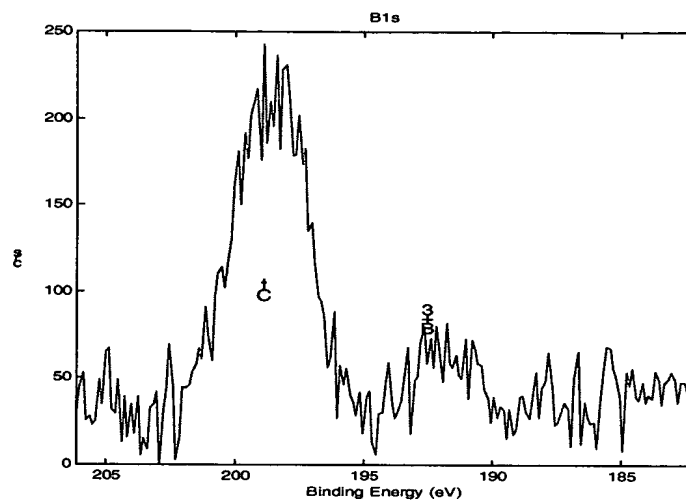


Figure 3a: High-resolution spectrum for Al_2O_3 after one-step cleaning using BCl_3 and NF_3

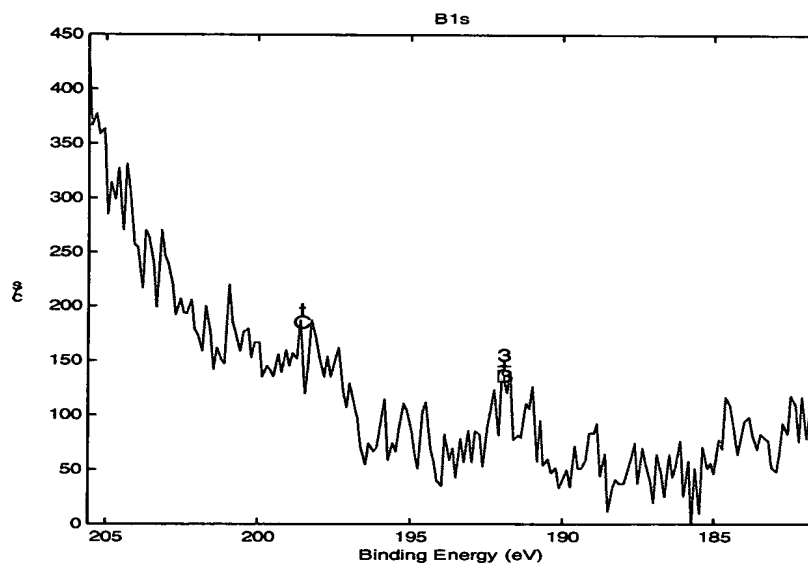
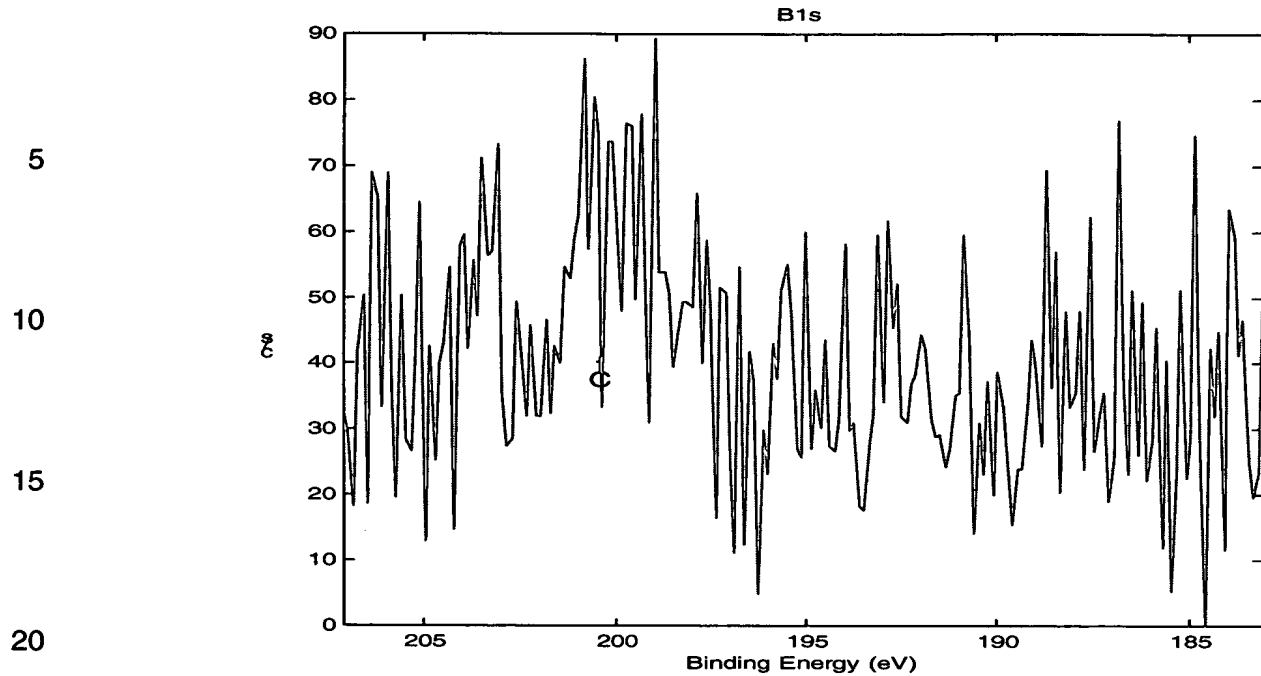
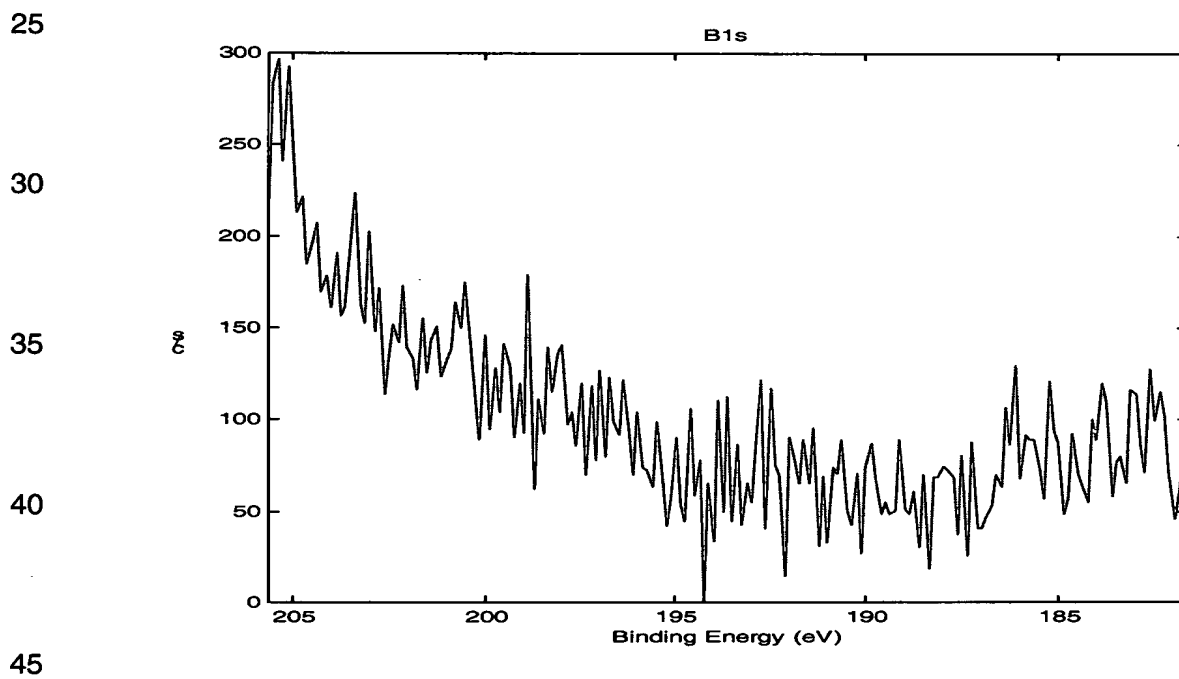


Figure 3b: High-resolution spectrum for HfO_2 after one-step cleaning using BCl_3 and NF_3

Figure 4a: High-resolution spectrum for Al₂O₃ after two-step cleaningFigure 4b: High-resolution spectrum for HfO₂ after two-step cleaning